



May 22, 2014

EMCORE Introduces Internal Fiber Delay Line System for the Optiva Platform

ALBUQUERQUE, N.M., May 22, 2014 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optics and space solar power markets, announced today the introduction of the Optiva OTS-ODLS 18, 22 and 40 GHz Internal Fiber Delay Line Systems for delay times up to 40 microseconds.

EMCORE's fiber optic delay lines provide bandwidth that is essentially independent of fiber length, losses or delays, and triple transit signals that are immeasurable. They are ideal for applications such as radar system testing, phased array antenna systems, signal processing, and electronic warfare systems. EMCORE's fiber delay line technology takes advantage of the rigid yet flexible properties of fiber optic cable to provide repeatable enhanced phase and group delay characteristics.

EMCORE's Optiva OTS-ODLS series are the first fiber delay lines designed for the modular Optiva RF & Microwave Fiber Optic Transport System. They provide convenient RF inputs and outputs to connect to an Optiva OTS-2 RF transmitter and receiver. Internally, the RF signal is converted to an optical signal and transmitted over a fiber optic link to the receiver and provides the required signal delay time. Delay length and link performance requirements can be tailored over a range of performance levels to meet specific requirements. The Optiva OTS-ODLS system allows for a long delay in a relatively compact package with the superior temperature stability of fiber.

"EMCORE has a long track record of supplying the highest quality fiber delay lines in a variety of ruggedized form-factors for radar system testing, phase array antennas and electronic warfare systems," said Frank Weiss, EMCORE's Vice President of Advanced Systems. "We are very excited to bring this technology to the Optiva platform where it can be supplied as a complete solution with all modules mounted in a 19" rack-mount Optiva enclosure utilizing standard AC power," added Weiss.

The Optiva OTS-ODLS family of internal fiber delay lines includes 18 GHz, 22 GHz and 40 GHz optimized frequency options, and external Optiva fiber delay line systems for even greater delay lengths will be available soon. For more information on the Optiva OTS-ODLS, please visit <http://www.emcore.com/fiber-delay-lines>.

About EMCORE

EMCORE Corporation offers a broad portfolio of compound semiconductor-based products for the fiber optics and space solar power markets. EMCORE's Fiber Optics business segment provides optical components, subsystems and systems for high-speed telecommunications, Cable Television (CATV) and Fiber-To-The-Premise (FTTP) networks, as well as products for satellite communications, video transport and specialty photonics technologies for defense and homeland security applications. EMCORE's Solar Photovoltaics business segment provides products for space power applications including high-efficiency multi-junction solar cells, Covered Interconnect Cells (CICs) and complete satellite solar panels. For further information about EMCORE, visit <http://www.emcore.com>.

Forward-looking statements:

The information provided herein may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements include statements regarding EMCORE's expectations, goals or intentions, including, but not limited to, financial performance, production schedules, expected customer sales, product features and their benefits, product quality and product performance. These forward-looking statements are based on management's current expectations, estimates, forecasts and projections about EMCORE and are subject to risks and uncertainties that could cause actual results and events to differ materially from those stated in the forward-looking statements. Risks and uncertainties that could cause EMCORE's actual results to differ from those set forth in any forward-looking statement are discussed in more detail in EMCORE's SEC filings available at www.sec.gov, including under the headings "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations." Forward-looking statements contained in this press release are made only as of the date hereof, and EMCORE undertakes no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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